

# Alexander Weimer

Electrical Engineering Student at University of Minnesota, Minnesota, USA

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## Experience

### Independent Research Lead

Minnetonka Research

Minnetonka, MN

Sep 2024 - Jun 2025

- Led a yearlong project investigating a machine learning approach to handwritten text recognition of Gregg shorthand.
- Article: [doi.org/10.31224/4661](https://doi.org/10.31224/4661), Software: [doi.org/10.57967/hf/5604](https://doi.org/10.57967/hf/5604)

### Research Intern

KTH Royal Institute of Technology

Stockholm, Sweden

Jun 2023 - Jul 2023

- Led a project in Materials Engineering under the mentorship of Dr. Antonio Capezza.
- Presented a talk about my research at the Swedish National Museum of Science and Technology.

## Education

### University of Minnesota

Bachelors of Electrical Engineering

Minneapolis, Minnesota

2025 - 2028 (est.)

- Activities: ФБК, ТВП, ΔΦΑ

### Minnetonka High School

AP International Diploma | Dual Enrollment w/ St. Cloud State University & Normandale Community College

Minnetonka, Minnesota

2021 - 2025

- GPA: 4.4 Weighted / 3.8 Unweighted | AP International Diploma
- Activities: Speech & Debate (Captain), Minnetonka Research, Cultural Fair, ΔΕΦ

## Volunteering

### Camp Lecturer, Counselor

Minnetonka Community Education

Minnetonka, MN

Jun 2021 -

- Taught and judged spring/summer middle school speech & debate camps for several years. Counselor at kids science camp.

## Honors/Awards

Mar 2025 **Category 1st Place - Robotics & Intelligent Machines (ISEF 2nd Alternate)**, TCRSF

Apr 2025 **National Merit Scholar**, National Merit Scholarship Program

Nov 2024 **Degree of Special Distinction**, National Speech & Debate Honor Society

Jul 2024 **AP International Diploma**, College Board

Mar 2024 **National German Exam Level 4 Gold award (91st percentile)**, AATG

Feb 2024 **Minnesota Platinum Bilingual Seal (German & English)**, Minnesota Dept. of Education

## Skills

**Programming** Javascript/Typescript, React, Python, Java, [Matlab](#) ↗

**Software** Solidworks, Git, ~~TeX~~ LaTeX, Linux, Shell (Bash, Zsh)

**Soft Skills** Collaborative software development, public speaking, academic/professional writing

## Languages

**Swedish** Native proficiency

**English** Native proficiency

**German** Professional working proficiency